



Product identification

Range of product	RED
Device short name	REDs

Usage / Application

Earthing system	TN-S TT
Network type	AC
Network frequency	50 Hz

Poles descriptions

Poles description	2P
Neutral position	Left
Signal contacts composition	1NO or 1NC or intermittent 1 Hz

Performance

Rated making and breaking capacity	Idm 630 A 230 V
Mechanical durability	1000 cycles open-close

Connections

Connections - terminals	Guard tunnel terminal 25 mm ² flexible Guard tunnel terminal 35 mm ² rigid
Auxiliary connection terminal	Tunnel type terminal flexible 2.5 mm ² Tunnel type terminal rigid 2.5 mm ²
Wire stripping length	12 mm

Installation

Mounting mode	Fixed
Mounting support	35 mm symmetrical DIN rail

Electrical

[In] rated current	40 A
[Ue] rated operational voltage	230 V AC 50 Hz phase to neutral
Earth-leakage sensitivity	300 mA
Earth-leakage protection class	Class A
Rated conditional short-circuit current	C32: Inc 4.5 kA 40 A K60: Inc 6 kA 40 A DT40: Inc 6 kA 40 A DT40N: Inc 6 kA 40 A C60: Inc 10 kA 40 A C120: Inc 10 kA 40 A NG125: Inc 10 kA 40 A GL63: Inc 6 kA 40 A gL
[Ui] rated insulation voltage	500 V
[Uimp] rated impulse withstand voltage	4 kV
Signalling circuit voltage	AC: 5...230 V DC: 5...230 V

Functional

Device location in system	Outgoer
Reset	Fault reset earth leakage
Test function	Manual at 100 V
Earth-leakage protection time delay	Instantaneous
Leakage resistance	2 kOhm
Control type	Toggle
Local signalling	2 LEDs Recloser : ON/OFF indication Residual current device : ON/OFF indication
Type of setting	Insulation fault presence monitoring Max nb of consecutive restart Min interval between 2 closings Nb of restart operations Recloser Restart cycle Restart in event of transient insulation fault Stopping restart cycle if insulation fault present

Physical characteristics

9 mm pitches	8
Height	115 mm
Width	71 mm
Depth	79.5 mm
Product weight	0.36 kg
Tightening torque	Power circuit: 2 N.m Signaling: 0.4 N.m

Certifications and standards

Standards	EN 61008 IEC 61008
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Environment

IP degree of protection	IP20
Electromagnetic compatibility	8/20 μ s wave immunity 250 A
Tropicalisation	2
Relative humidity	95 % (55 °C)
Ambient air temperature for operation	-5...40 °C
Ambient air temperature for storage	-20...60 °C
RoHS EUR conformity date	0620
RoHS EUR status	Compliant